

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Well-Lux 330N-WW  
**Luminaire:** WELL-LUX 330N-WW  
**Lamp Output:** 1 lamp(s), rated lamp lumens: 915.5  
**Max Candela:** 316.2 at Horizontal: 0, Vertical: 0  
**Input Wattage:** 21  
**Luminous Opening:** (L: 0ft, W: 0.98ft, H: 0.98ft)  
**Photometry :** Type C  
**CIE Class:** Direct  
**Cutoff Class:** Cutoff  
**Nema Type:** 7 X 7

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.5%	901.7	165	164.7
Beam (50%):	71.7%	656.5	112.9	112.7
Total:	100.5%	919.8		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	243.9	26.6%	26.7%
0-40	399.7	43.7%	43.8%
0-60	709.1	77.5%	77.7%
60-90	203.8	22.3%	22.3%
0-90	912.8	99.7%	100%
90-180	0	0%	0%
0-180	912.8	99.7%	100%
Total Efficiency: 99.7%			

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	29.7	3.3%	90-100	0	0%
10-20	85.1	9.3%	100-110	0	0%
20-30	129.0	14.1%	110-120	0	0%
30-40	155.8	17.1%	120-130	0	0%
40-50	162.0	17.8%	130-140	0	0%
50-60	147.3	16.1%	140-150	0	0%
60-70	113.9	12.5%	150-160	0	0%
70-80	68.1	7.5%	160-170	0	0%
80-90	21.8	2.4%	170-180	0	0%

### Roadway Summary

**Cutoff Classification:** CUTOFF  
**Distribution:** TYPE II, VERY SHORT  
**Max Cd, 90 Deg Vert:** 0.2  
**Max Cd, 80 to <90 Deg:** 42.3  
**L** umens % Lamp  
**Downward Street Side:** 230.4 25.2%  
**Downward House Side:** 229.7 25.1%  
**Downward Total:** 460.1 50.3%  
**Upward Street Side:** 0 0%  
**Upward House Side:** 0 0%  
**Upward Total:** 0 0%  
**Total Lumens:** 460.1 50.3%

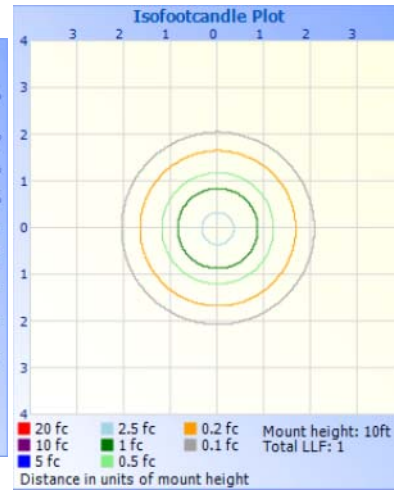
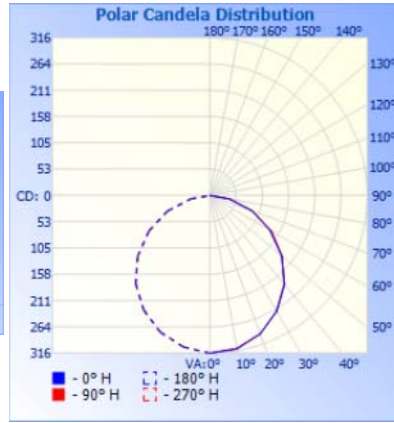
### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

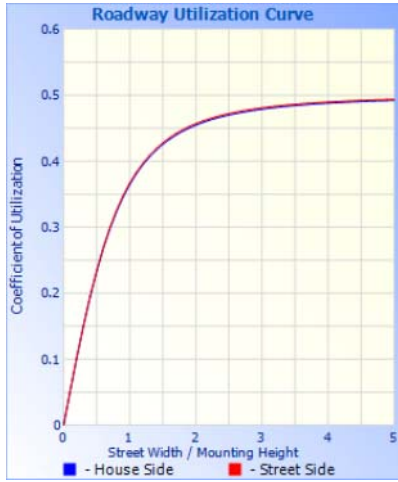
RCC %:	80				70				50				30				10				0		
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	0	50	30	20	10	0	50	30	20	10	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	1.00	1.00	1.00	1.00	1.00
1	1.08	1.03	.99	.95	1.05	1.01	.97	.84	.97	.93	.90	.93	.90	.87	.89	.87	.85	.83	.83	.83	.83	.83	.83
2	.98	.90	.83	.77	.95	.88	.81	.70	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69	.69	.69	.69	.69	.69
3	.89	.79	.70	.64	.87	.77	.69	.59	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58	.58	.58	.58	.58	.58
4	.82	.70	.61	.54	.79	.68	.60	.51	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49	.49	.49	.49	.49	.49
5	.75	.62	.53	.46	.73	.61	.52	.44	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42	.42	.42	.42	.42	.42
6	.69	.56	.47	.40	.67	.55	.46	.39	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37	.37	.37	.37	.37	.37
7	.64	.51	.42	.36	.62	.50	.41	.34	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33	.33	.33	.33	.33	.33
8	.60	.46	.38	.32	.58	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29	.29	.29	.29	.29	.29
9	.56	.42	.34	.28	.54	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26	.26	.26	.26	.26	.26
10	.52	.39	.31	.26	.51	.39	.31	.25	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24	.24	.24	.24	.24	.24

	Illuminance at a Distance	
	Center Beam FC	Beam Width
8.3ft	4.55 fc	25.0ft 25.2ft
16.7ft	1.14 fc	50.1ft 50.3ft
25.0ft	0.51 fc	75.1ft 75.5ft
33.3ft	0.28 fc	100.1ft 100.6ft
41.7ft	0.18 fc	125.2ft 125.8ft
50.0ft	0.13 fc	150.2ft 150.9ft

■ Vert. Spread: 112.7°    ■ Horiz. Spread: 112.9°



Photometrics Pro



Photometrics Pro

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360				
0	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316		
10	313	312	313	313	313	312	313	312	312	311	311	310	310	309	309	308	309	308	308	308	308	308	308	308	308	308	308	308	308	308	309	310	310	311	311	311	311	312	313	313	
20	295	295	295	295	296	295	296	295	296	296	294	294	293	292	292	292	292	291	292	291	292	291	291	291	291	291	291	291	292	292	292	293	295	294	294	294	295	294	295		
30	268	267	268	268	268	269	269	270	269	268	268	266	267	265	266	265	266	266	265	266	265	266	264	265	264	265	264	265	266	266	267	266	268	267	266	267	267	267	268		
40	233	231	234	233	235	234	235	232	233	232	235	233	234	230	233	232	230	231	232	229	230	228	232	229	232	229	232	231	230	230	233	230	231	232	233	230	231	232	233	230	233
50	188	187	191	187	192	190	192	189	190	189	189	189	190	191	187	190	186	188	189	190	186	187	188	187	186	190	188	190	189	190	186	190	186	188	189	187	187	188	188		
60	139	141	142	141	142	141	143	142	144	143	144	142	143	141	142	141	139	140	142	140	142	140	141	140	141	140	141	140	142	141	142	141	142	140	142	139	141	140	139		
70	90	88	86	89	87	89	91	90	93	91	92	90	91	90	91	89	88	89	91	89	88	88	90	89	90	89	88	90	88	89	90	89	90	88	89	90	88	89	88	90	
80	40	38	39	38	40	39	38	40	42	41	42	40	42	40	41	40	42	40	39	40	39	39	41	40	41	40	42	40	42	40	38	39	38	38	38	39	38	40			
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Luminaire Report Summary

Well-Lux 330N-WW  
 220V  
 Test Distance: 10.435m  
 Test Electrical Parameters: Voltage: 220 V AC, Current: 0.11 A, Power: 21W  
 FILE: CANDELA MULTIPLIER: 1  
 FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 37  
 FILE: COORDINATE SYSTEM: TYPE C  
 FILE: UNIT OF MEASURE: METRIC  
 FILE: BALLAST FACTOR: 1

Photometrics Pro 1.2.6 copyright 2003-2005 by jSolutions, Inc.  
 Reported data calculated from manufacturer's data file, based on IES recommended methods.